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Analysis for Catechol Estrogens by LC-ESI-MS

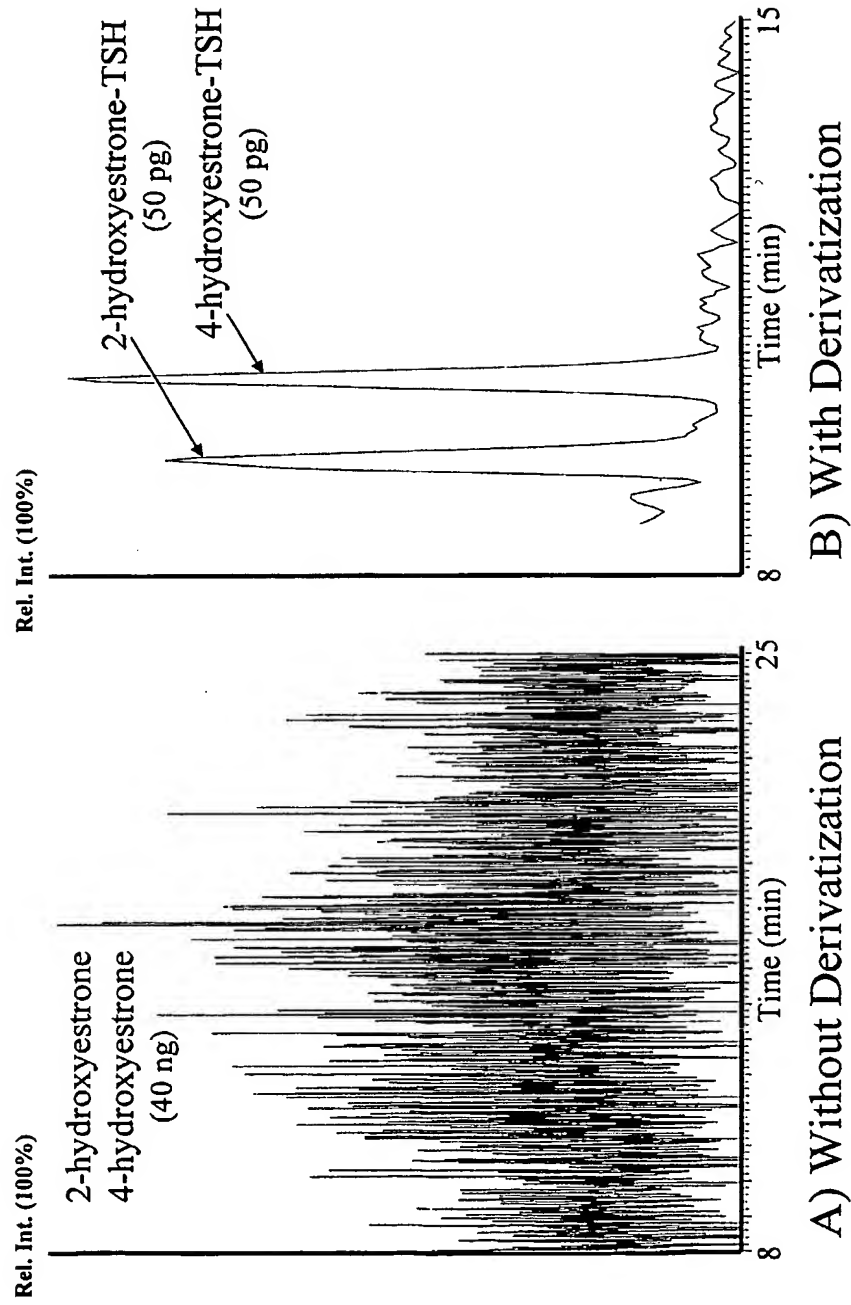


FIG. 1

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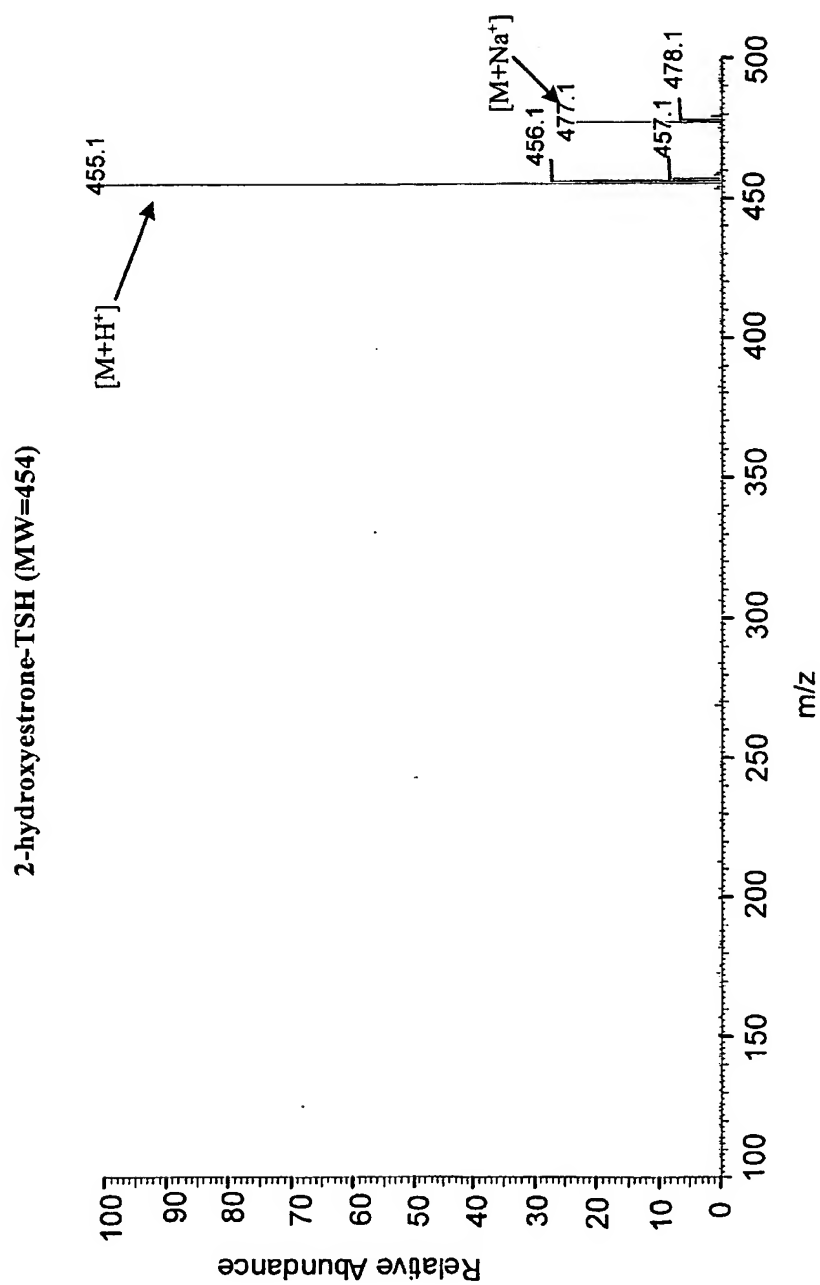


FIG. 2A

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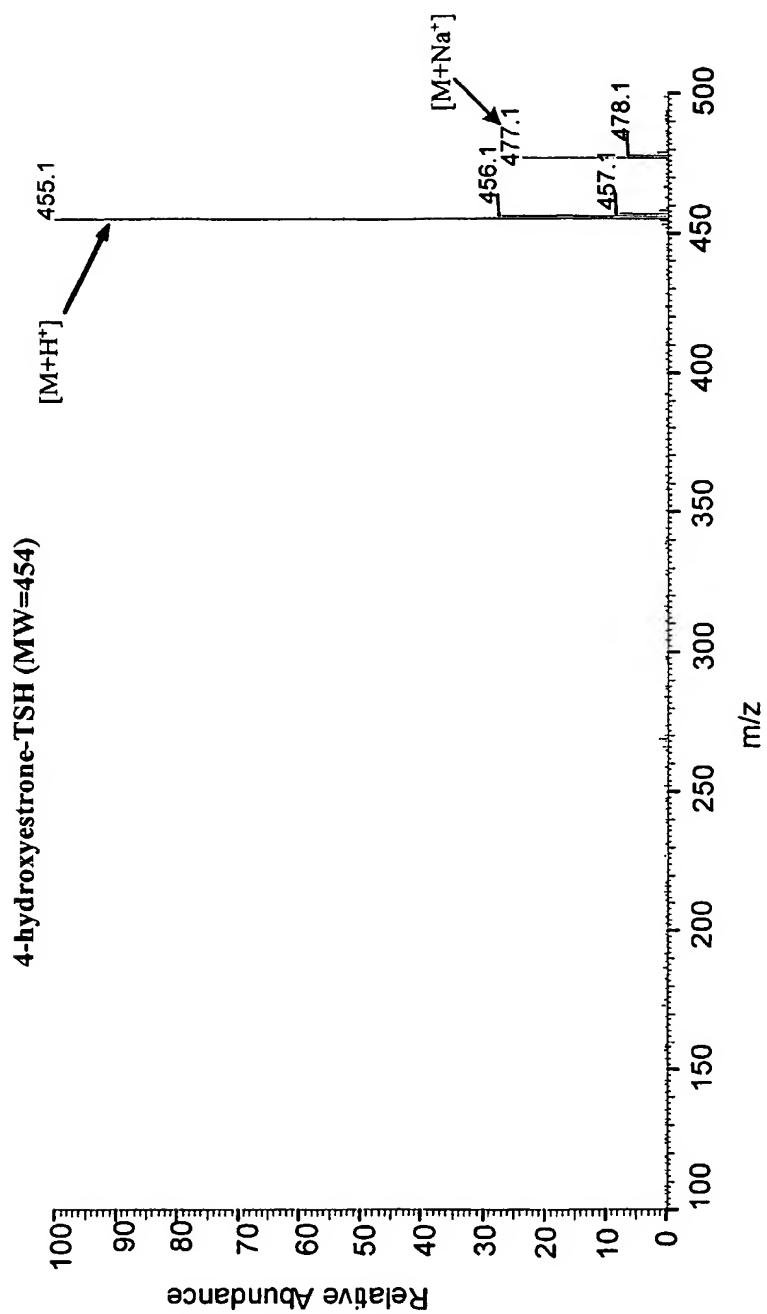


FIG. 2B

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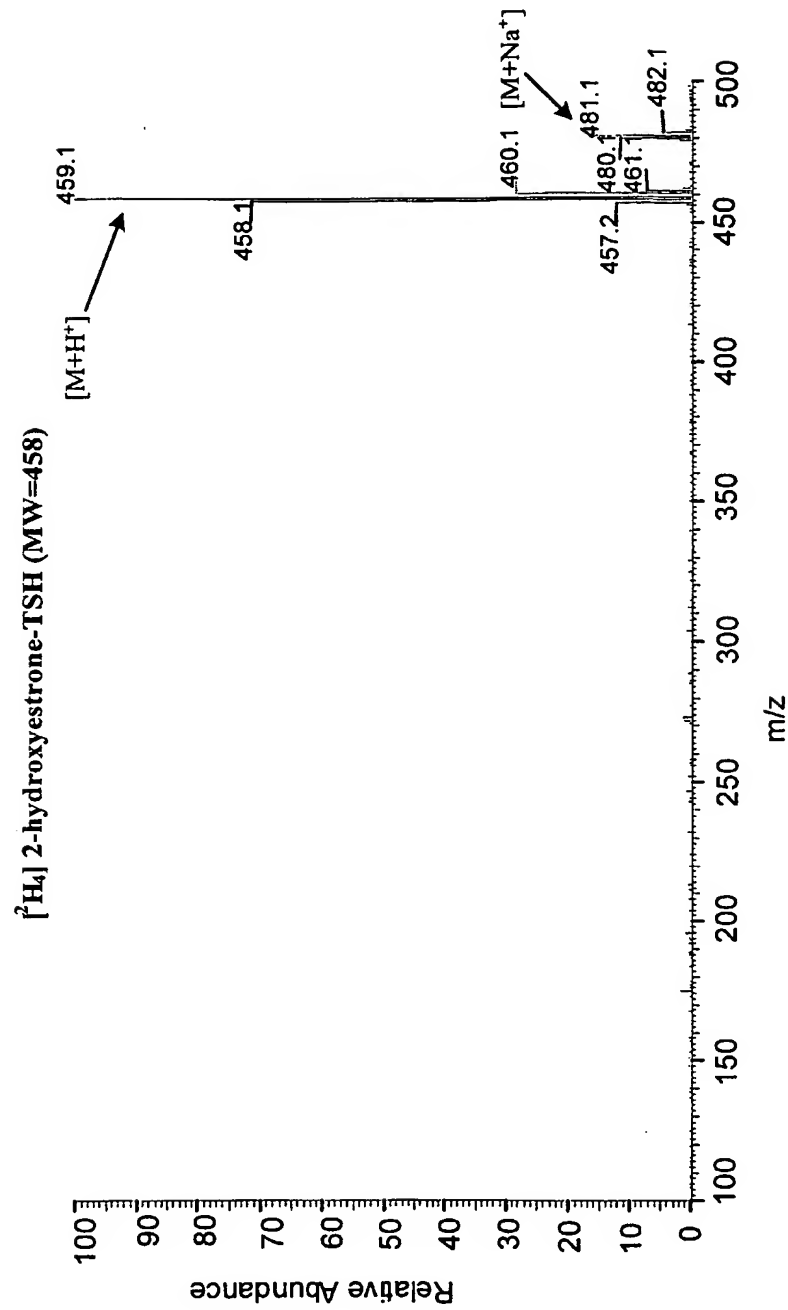


FIG. 2C

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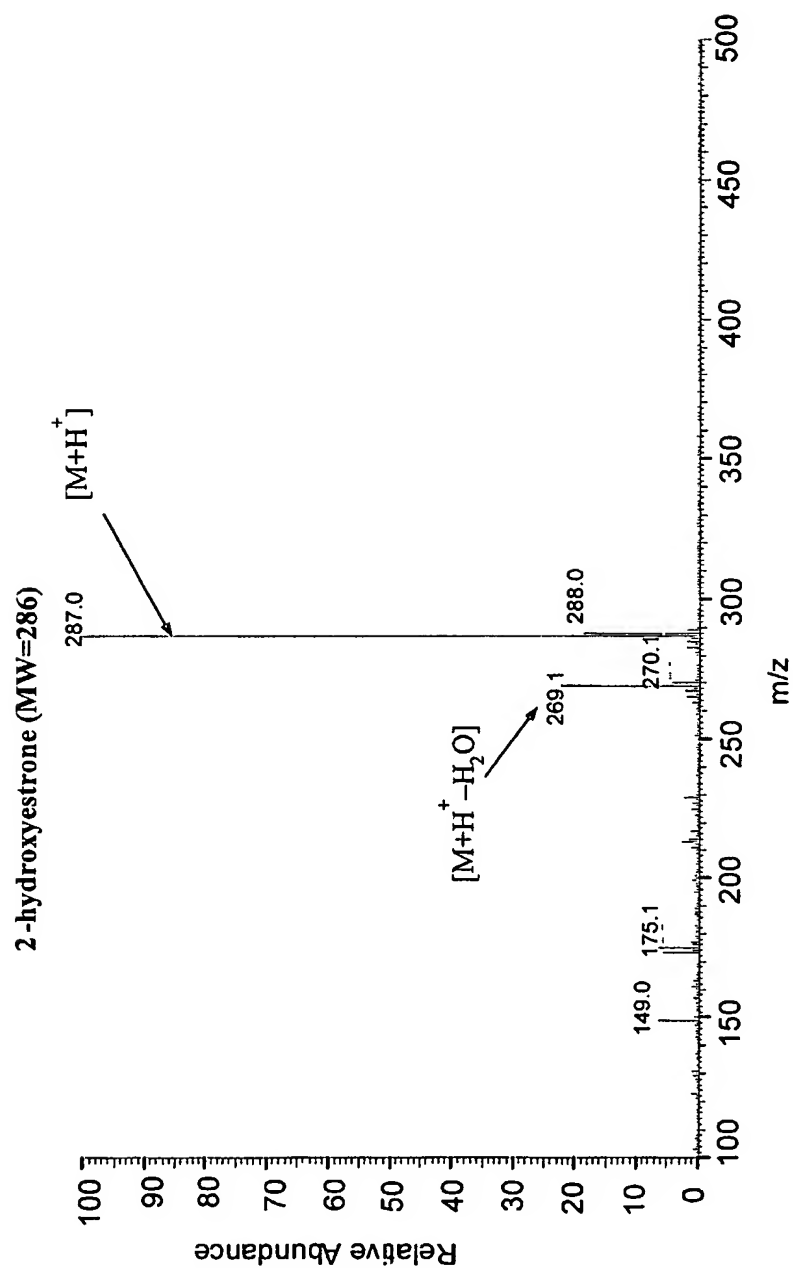


FIG. 3A

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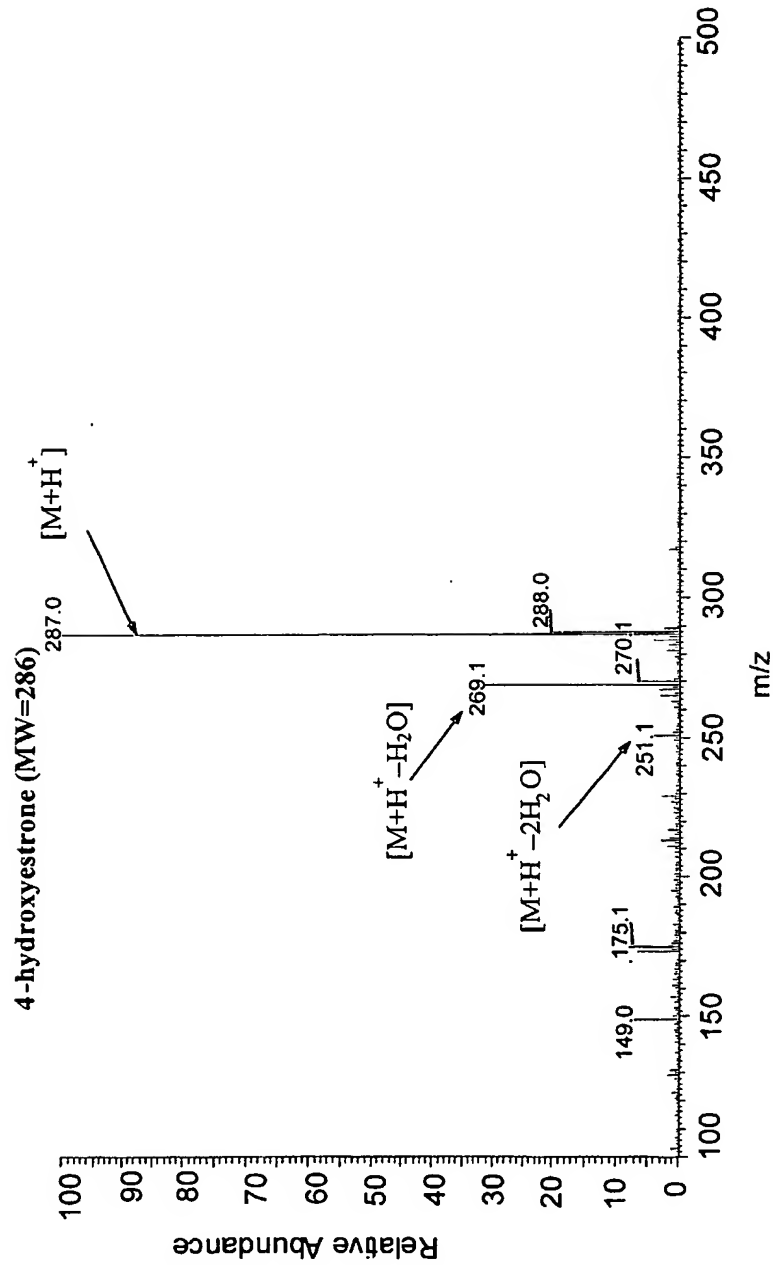


FIG. 3B

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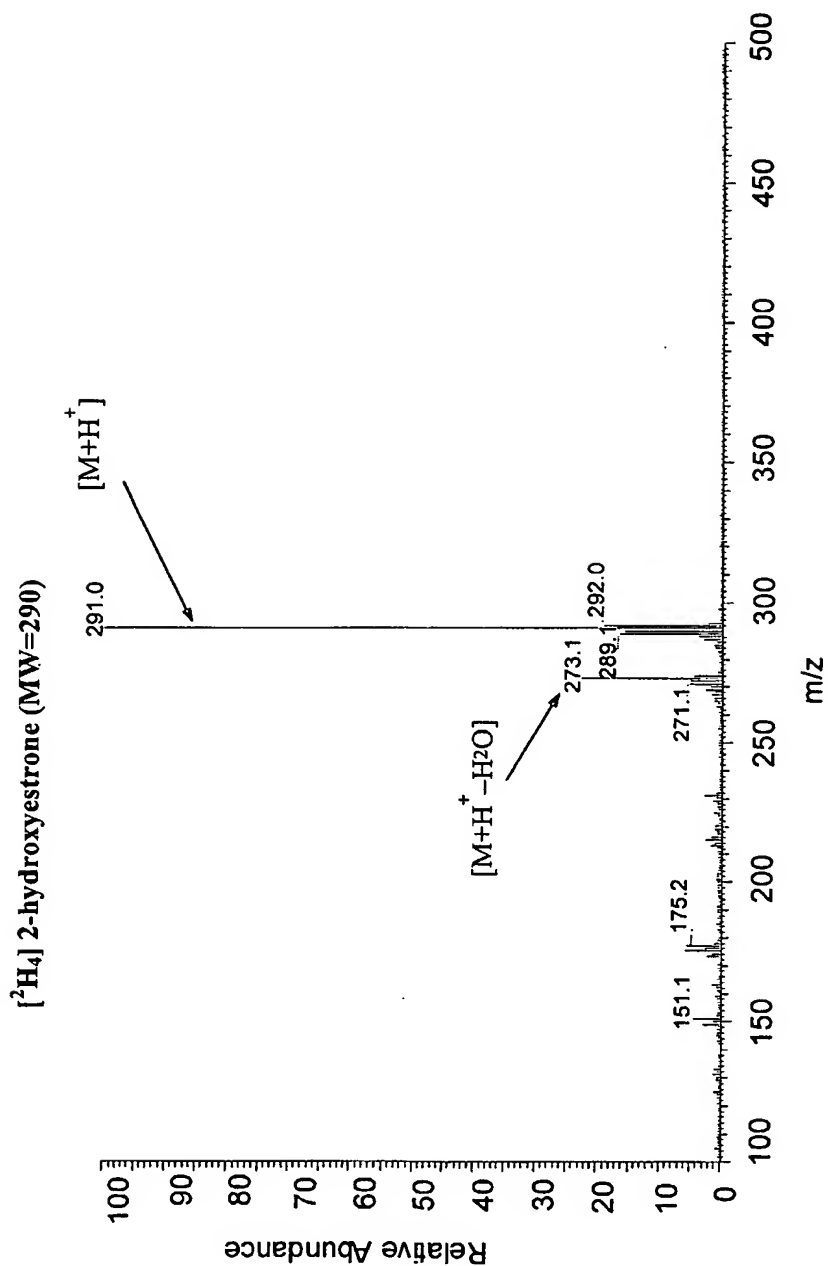


FIG. 3C

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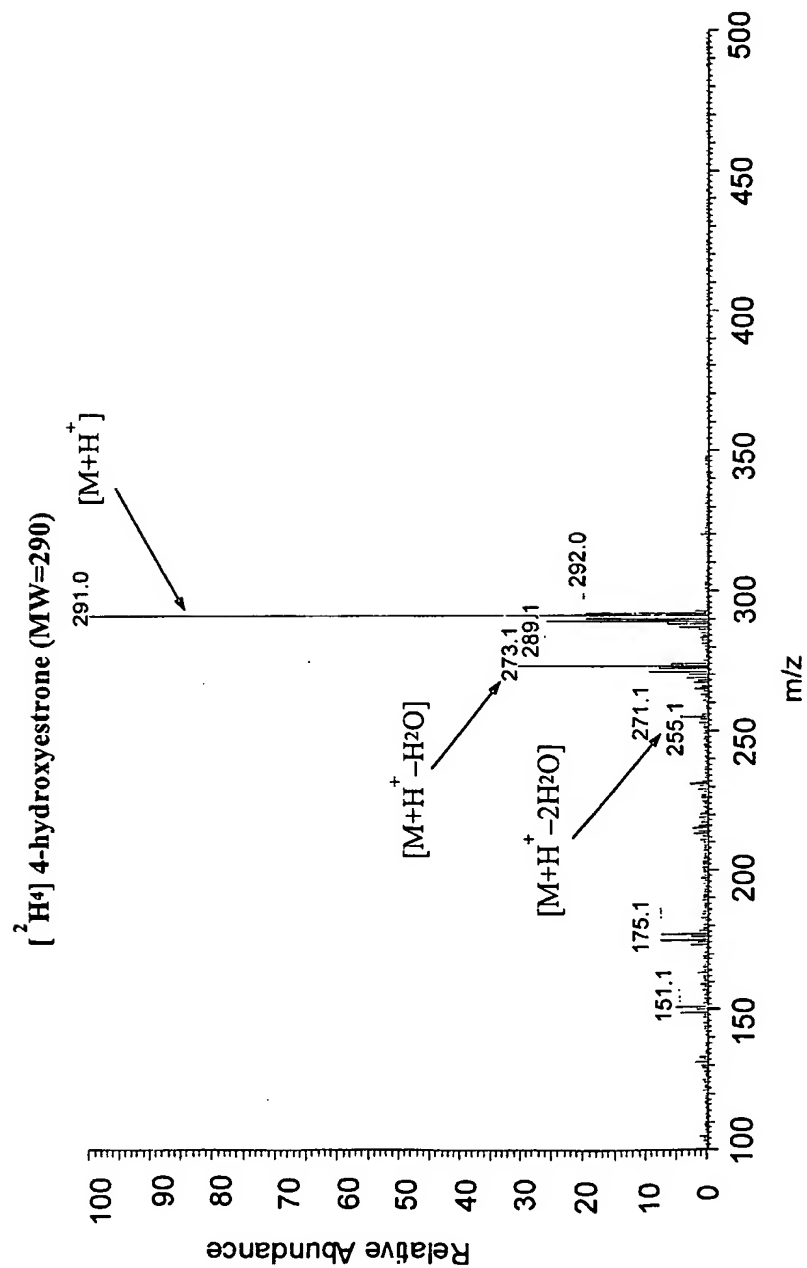


FIG. 3D

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16-ng working standard without derivatization (800 pg CE and 2 ng d-CE on column)

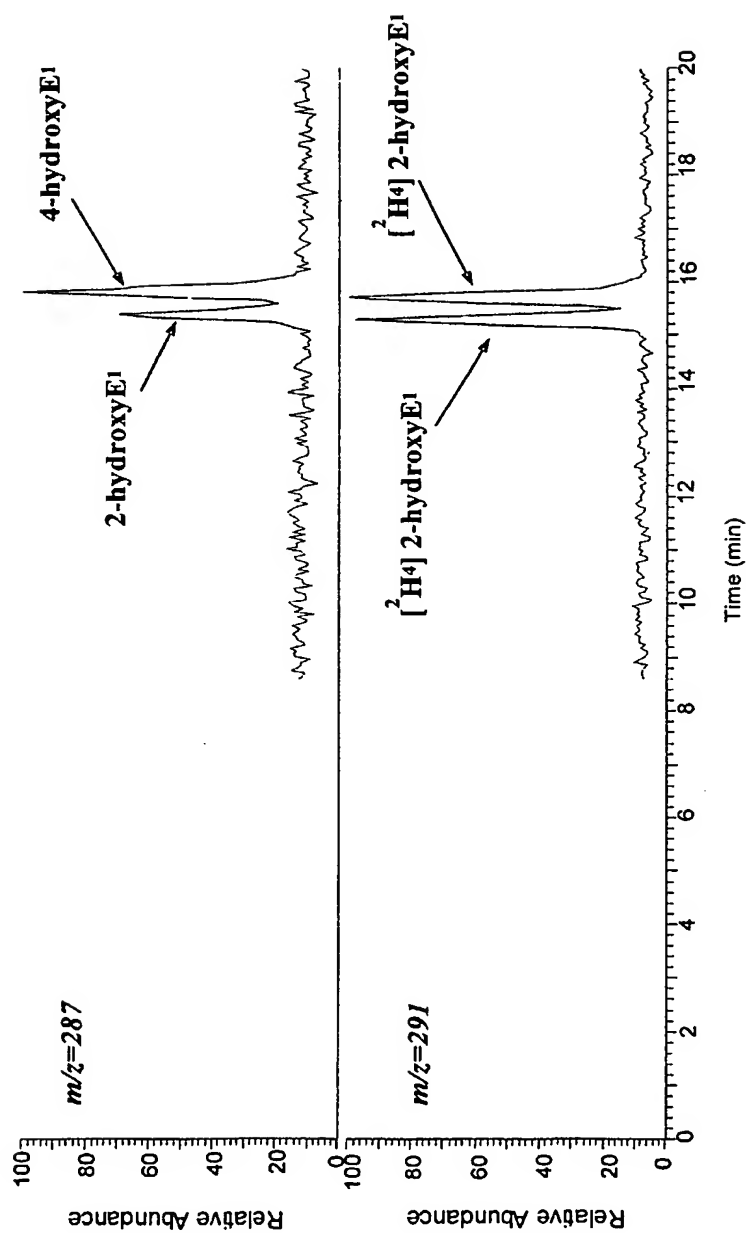


FIG. 4A

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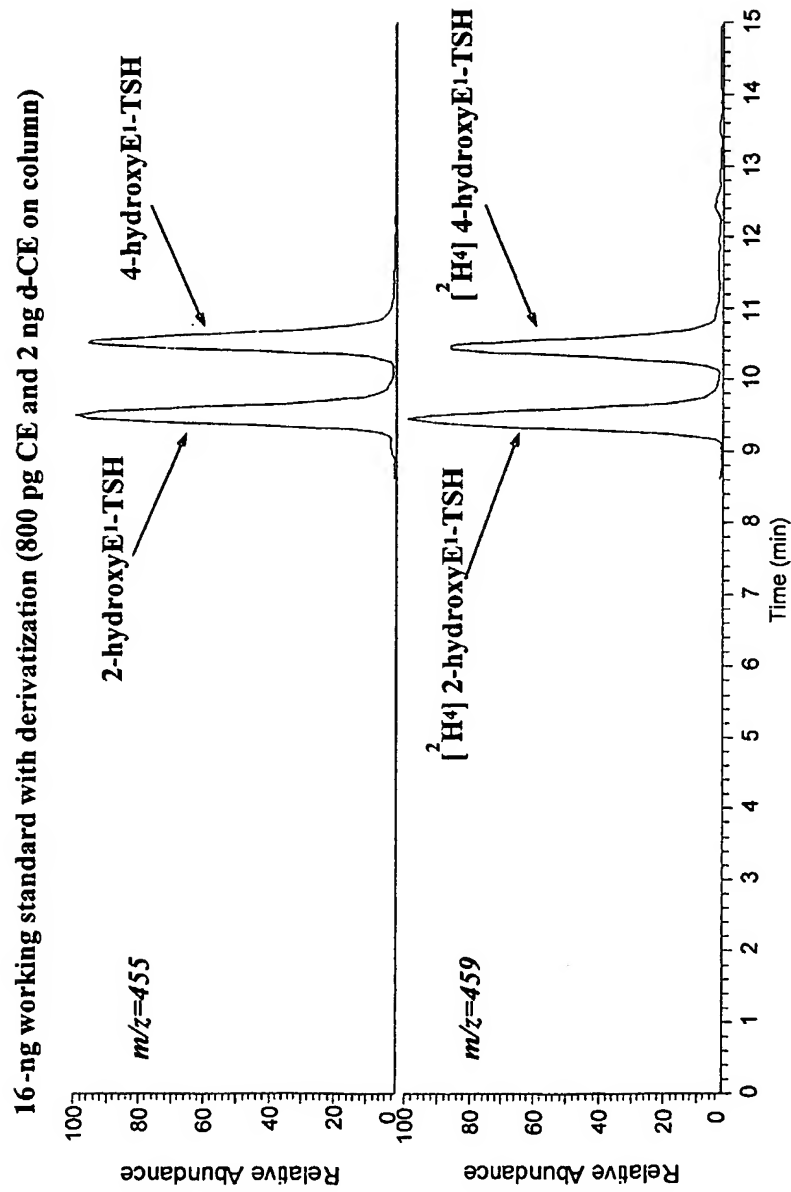


Fig. 4B

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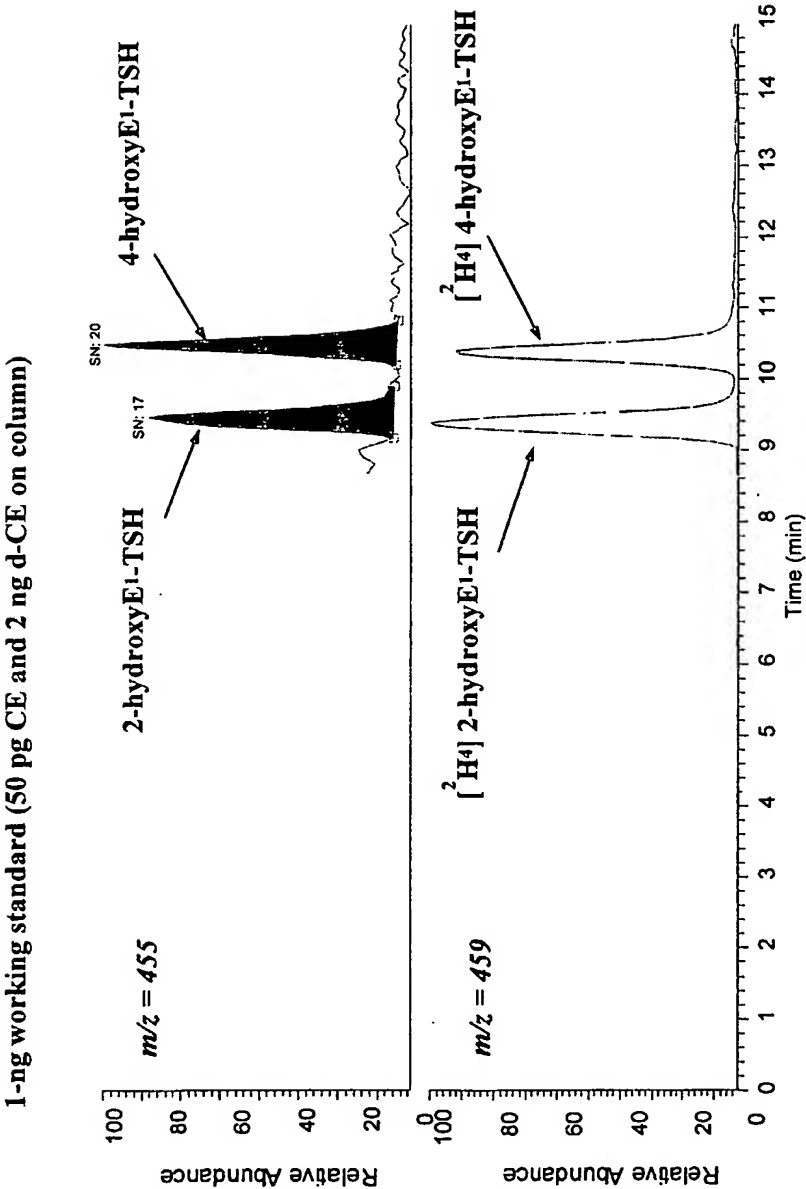


FIG. 5A

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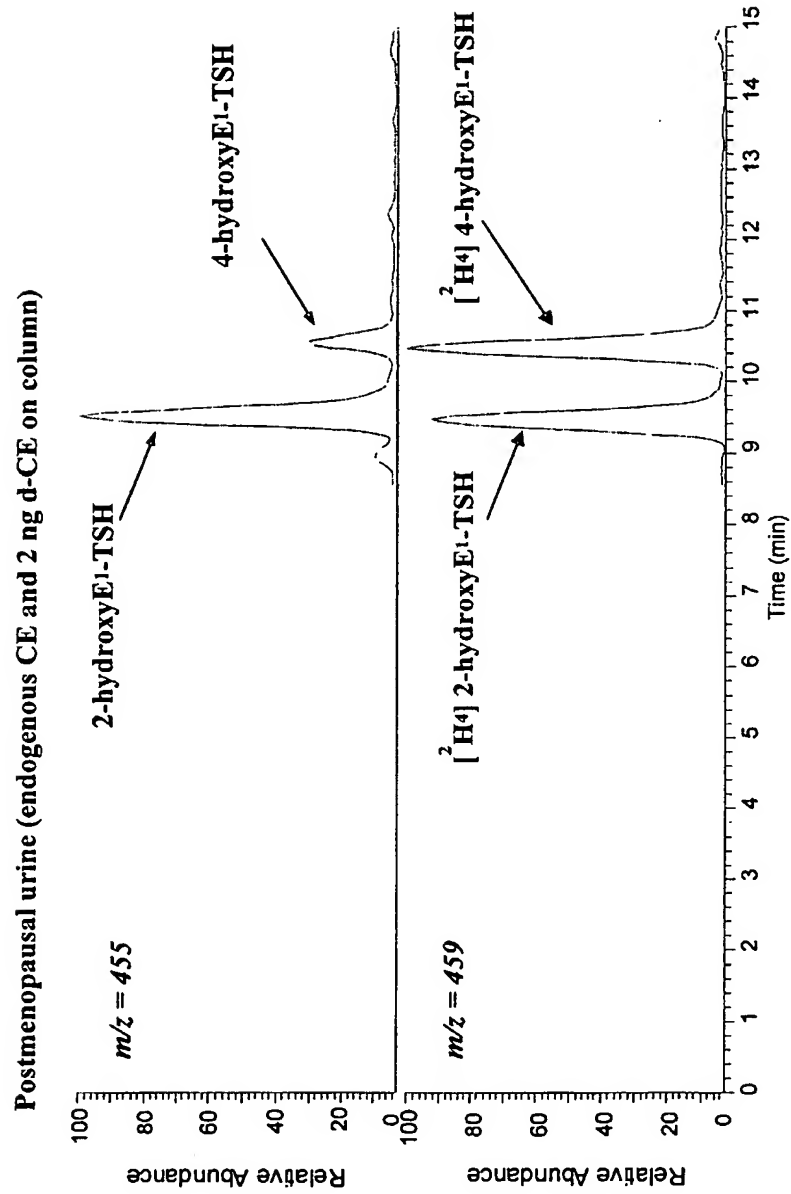
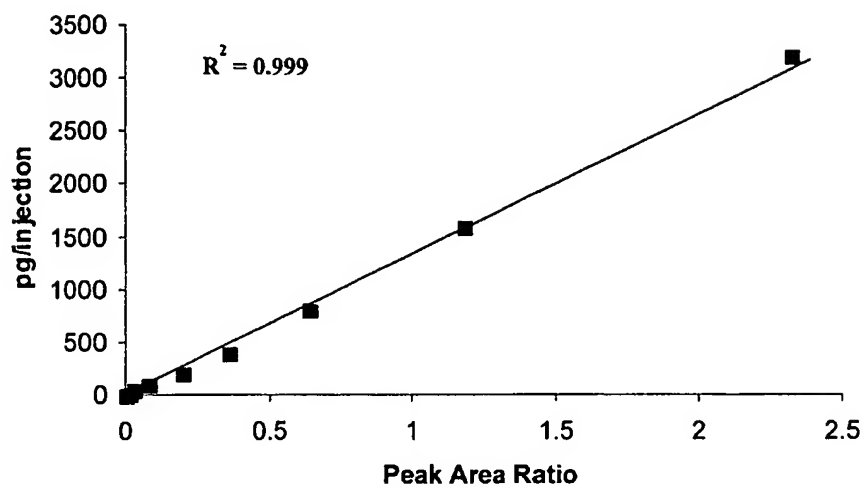
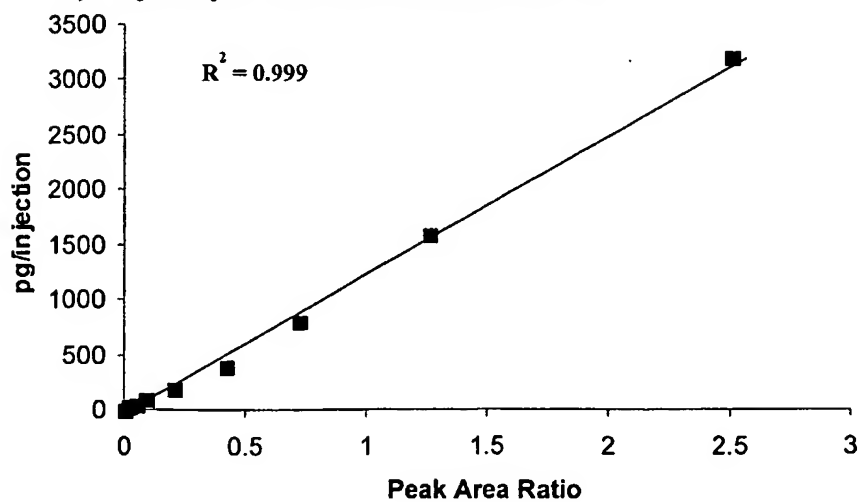


FIG. 5B

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A) 2-hydroxyE1 calibration standard curve**B) 4-hydroxyE1 calibration standard curve****FIG. 6**

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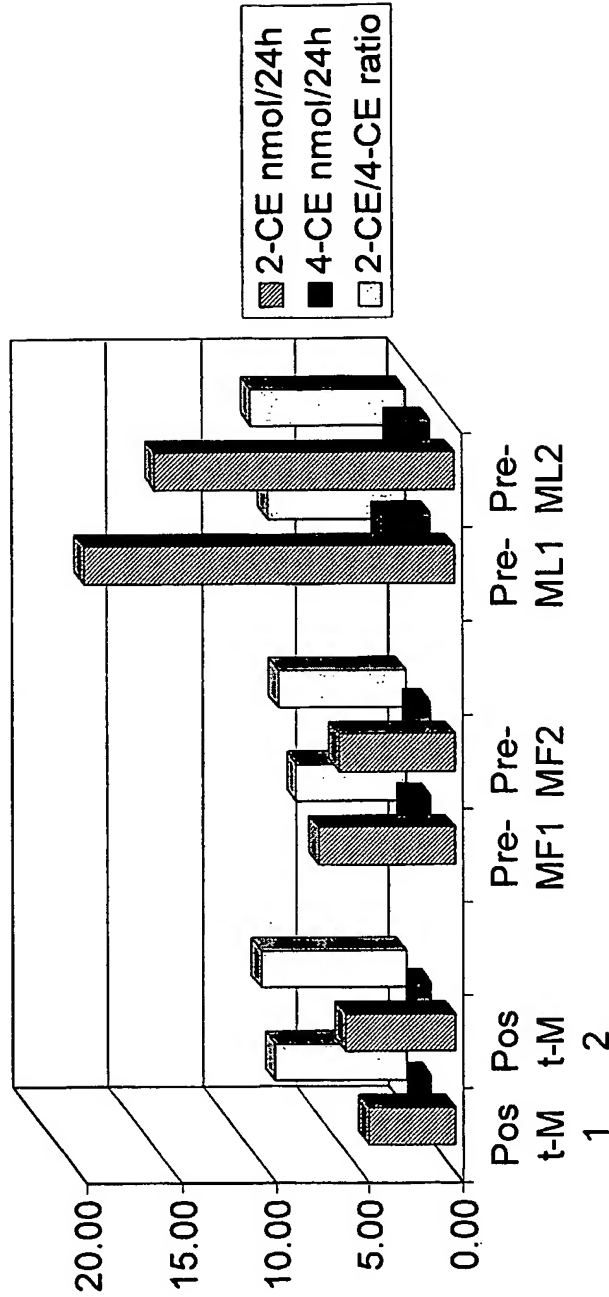


FIG. 7

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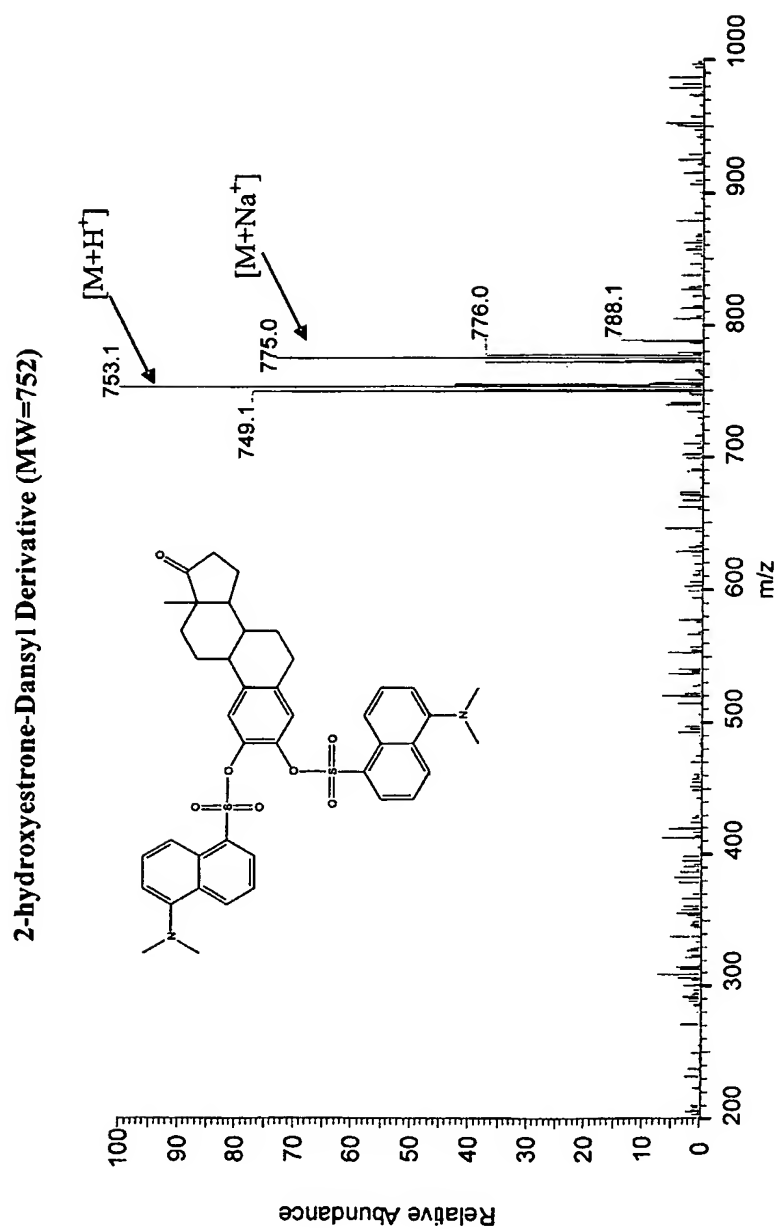


FIG. 8A

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2-hydroxyestrone-TSH-Dansyl Derivative (MW=920)

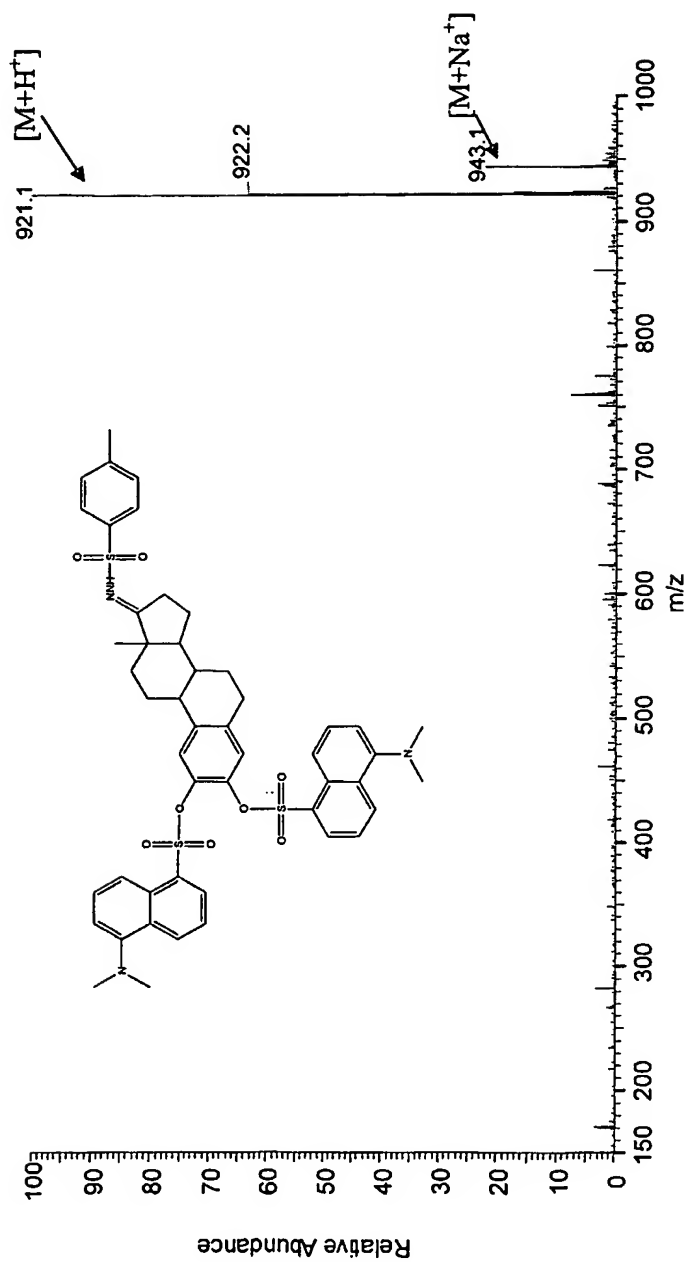


FIG. 8B

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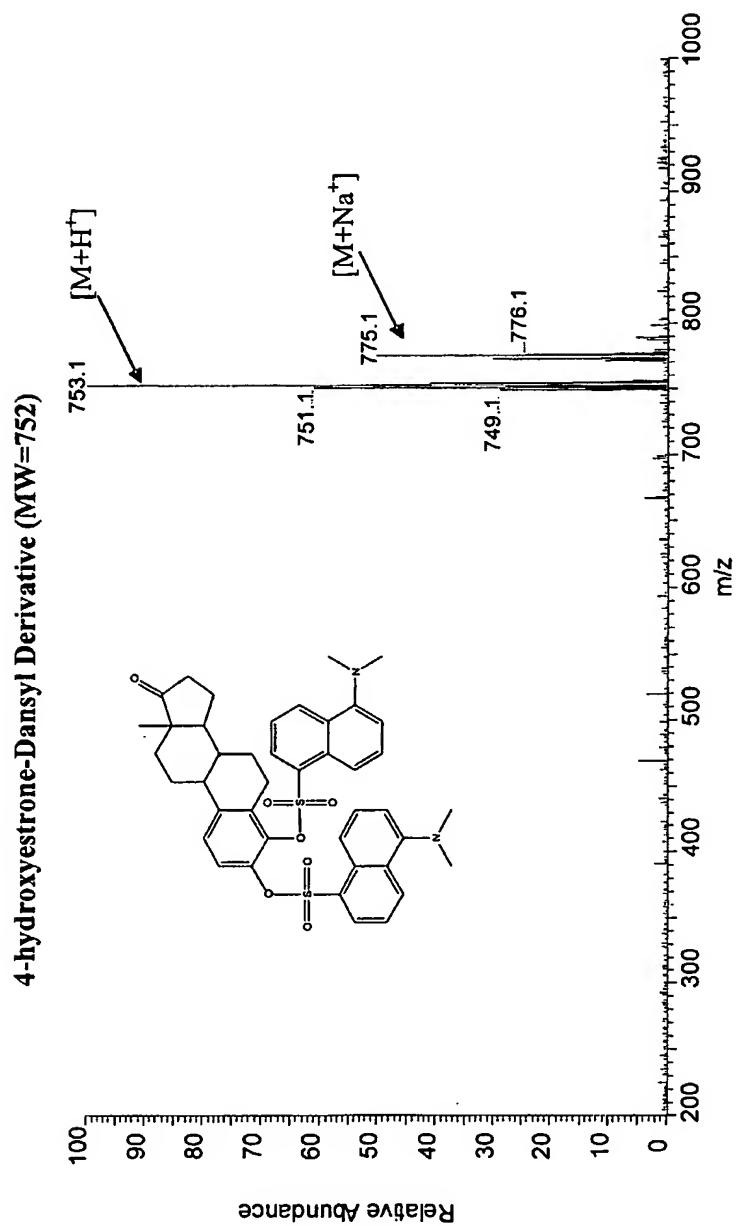


FIG. 8C



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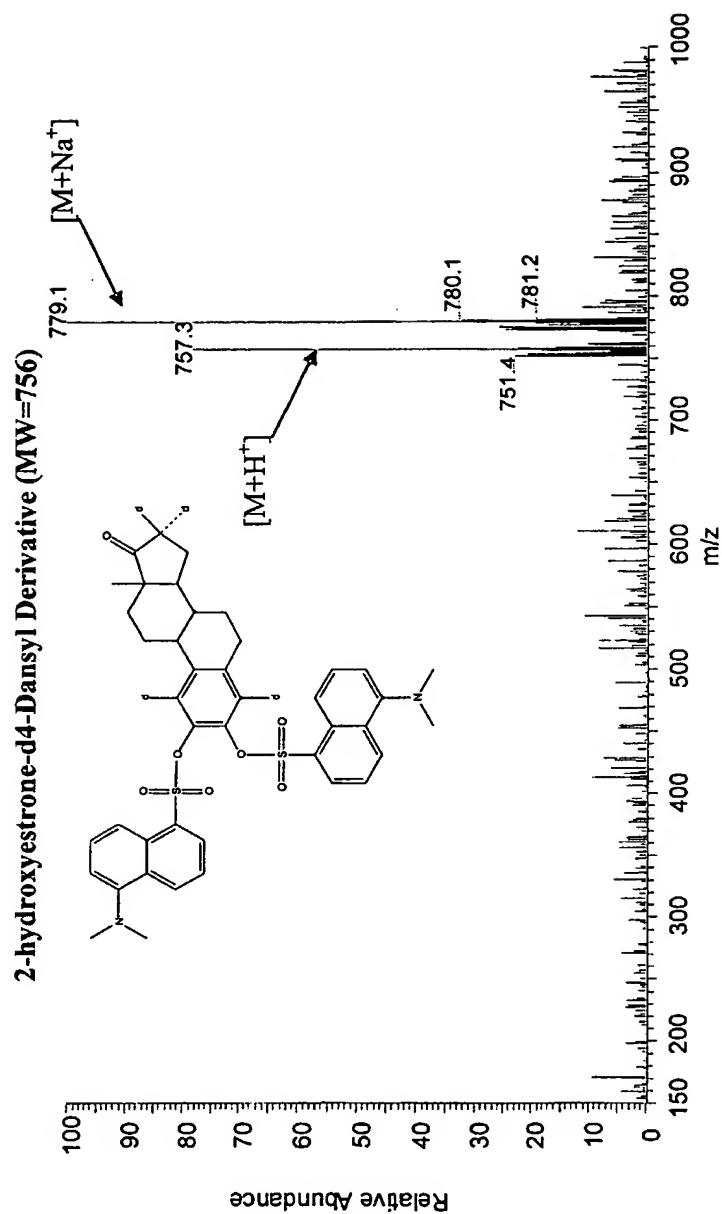


FIG. 9A

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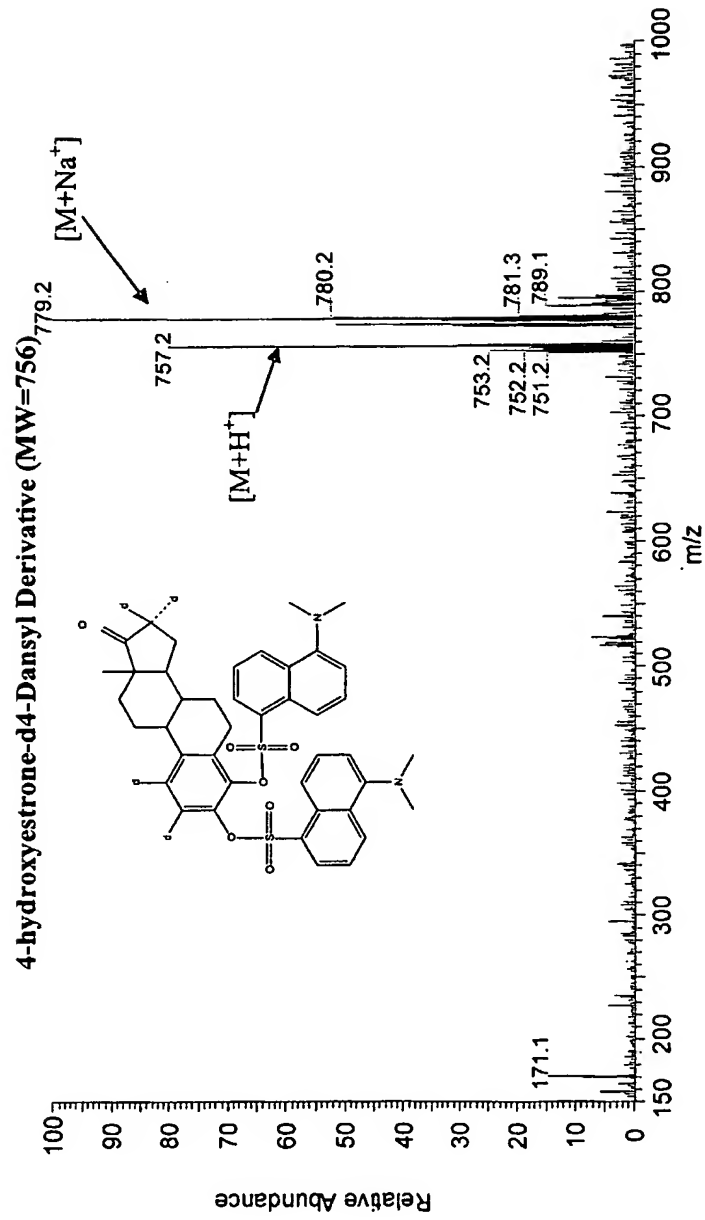


FIG. 9B

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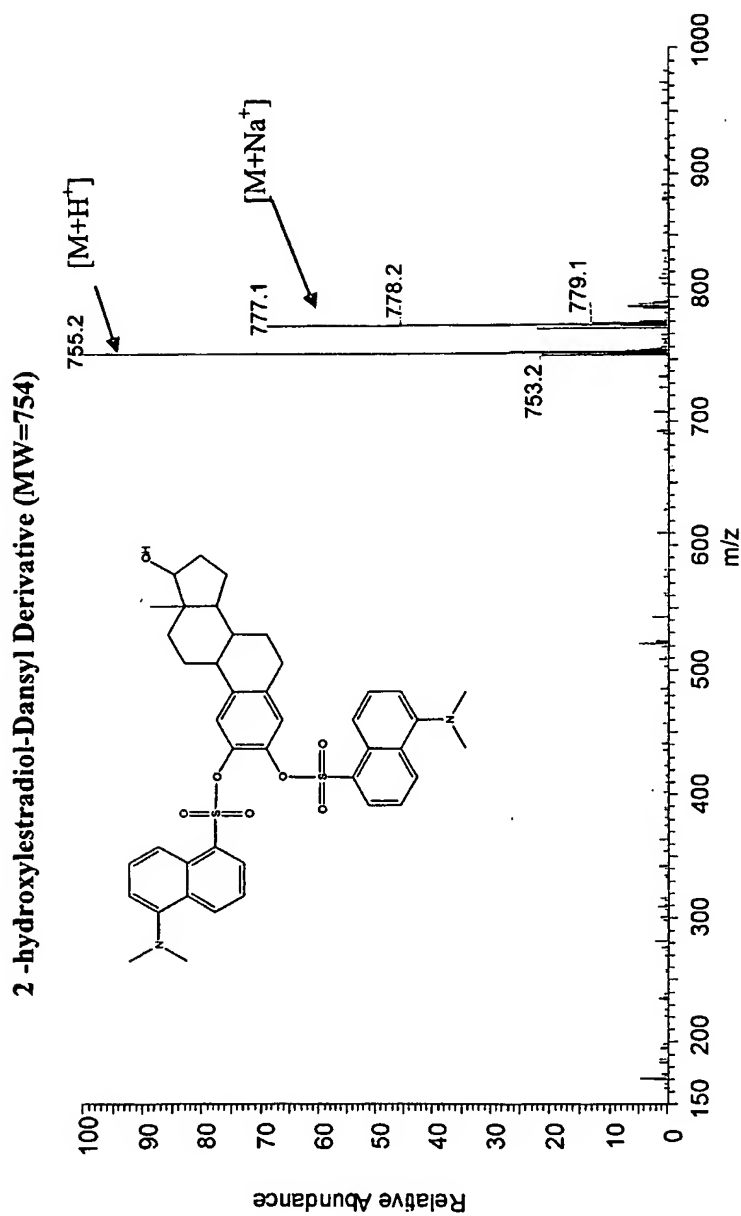


FIG. 9C

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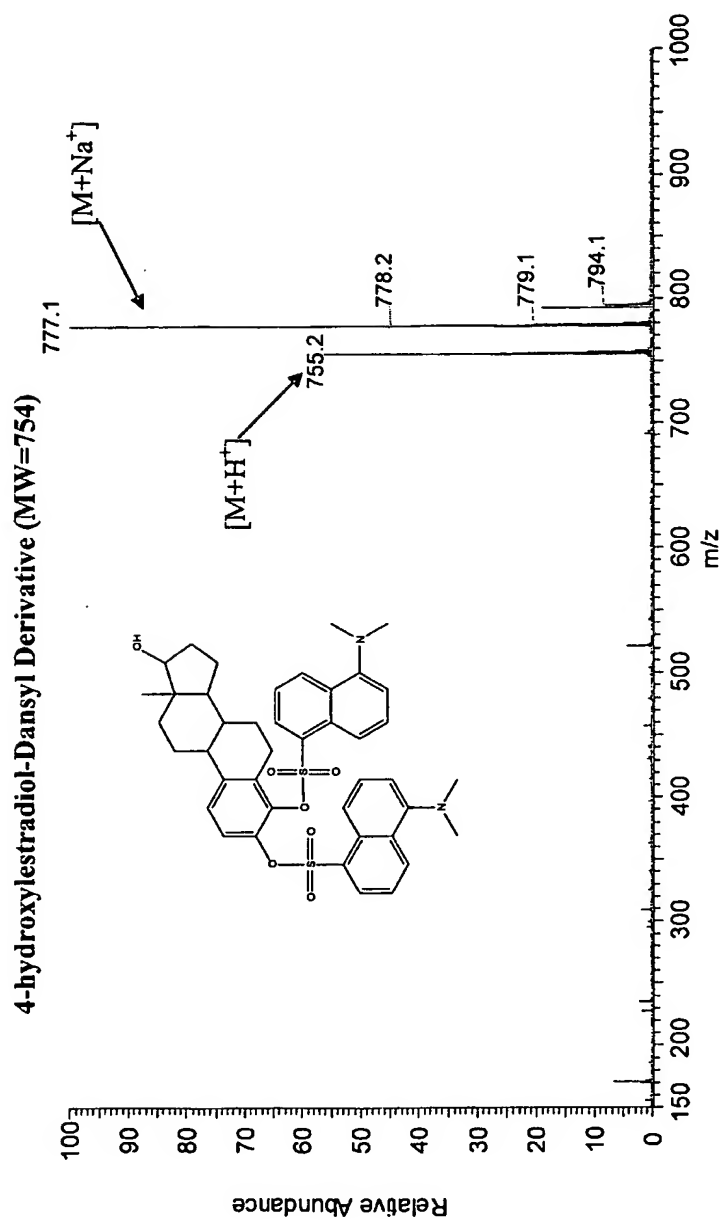


FIG. 9D

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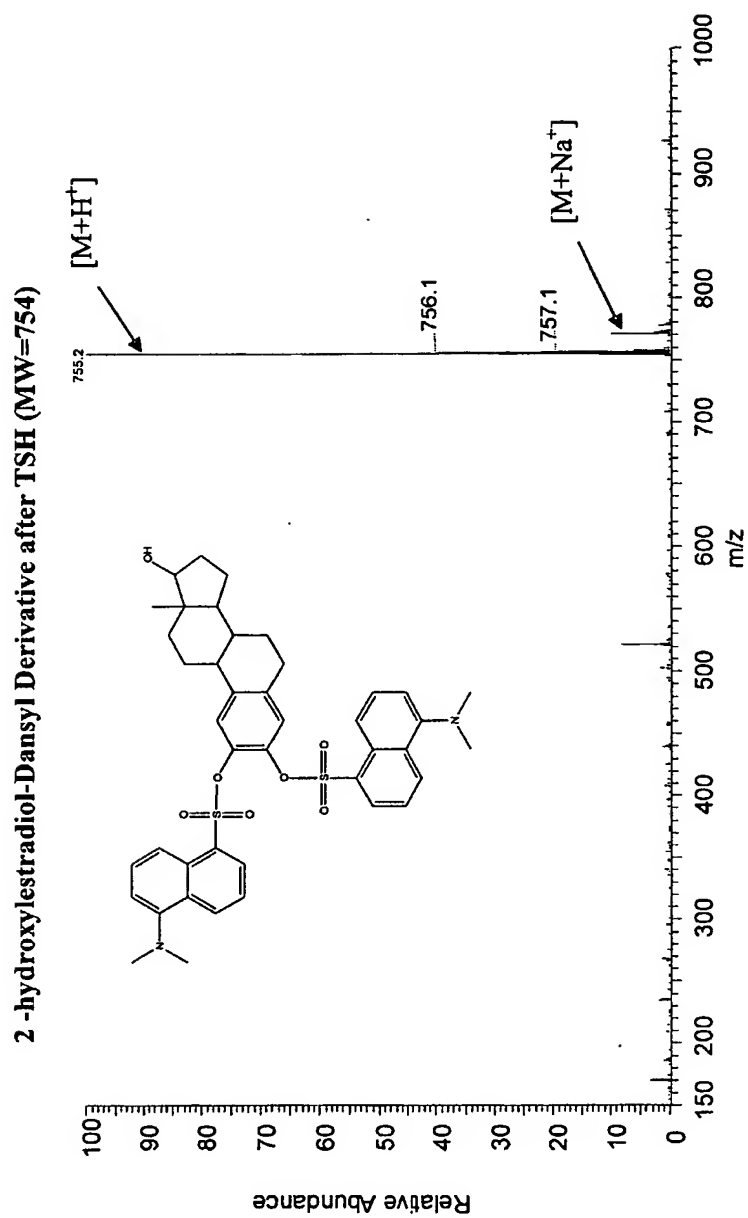
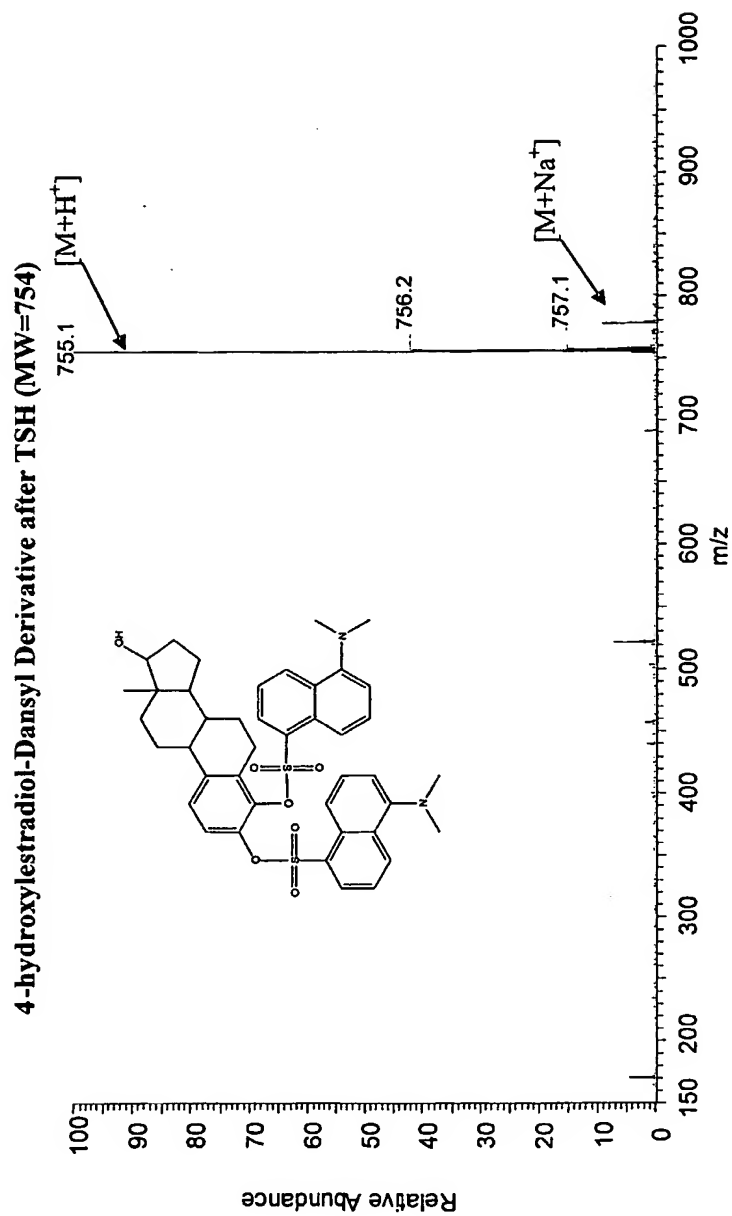


FIG. 9E

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